

IN THE ABSTRACT

Please replace the Abstract with the attached revised Abstract located at the end of this document.

~~The present invention relates to~~ Functionalized prepolymers and to biocompatible polymer networks are disclosed, especially biodegradable polymer networks obtainable by polymerization of the functionalized prepolymers by for example ultraviolet (UV), redox, and/or heat radical polymerization. Functionalized prepolymers (macromers) are obtainable by reaction of a prepolymer comprising at least one alcohol, amine, and/or sulfhydryl group, with an unsaturated mono-esterified dicarbonic acid, especially fumaric acid mono-ethyl ester.